

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
1	388	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1	USPAT	2004/07/30 08:07
2	11	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1 and @ad<19940608 and dial\$4	USPAT	2004/07/30 08:07
4	0	\$3capsulat\$4 near10 packet\$4 near10 "another" and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:07
3	10	protocol\$1 near10 (convert\$4 convers\$4) near10 IP\$2 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:07
5	12	encapsulat\$6 near10 IP near10 packet\$1 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:07
6	9	((isp and @ad<19940608) and assign\$4) and ISP near10 assign\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:07
7	156	encapsulat\$4 near10 packet\$4 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:08
8	158	(download\$4 or (down adj1 load\$4)) near10 satellite\$1 and TCP\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:08
9	382	(satellite\$1 near10 packet\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:08
10	4	encapsulat\$4 near10 packet\$1 near10 TCP\$3 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/30 08:08
-	2	6161141.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 08:54
-	2	5659350.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:40
-	32	satellite\$1 near10 tcp\$4 near10 packet\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/27 08:55
-	2	(satellite\$1 near10 tcp\$4 near10 packet\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:54

-	1793	satellite\$1 near10 packet\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:43
-	0	((satellite\$1 near10 packet\$1) and @ad<19940608) and IP adj1 address\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:45
-	6	((satellite\$1 near10 packet\$1) and @ad<19940608) and IP	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:50
-	8	direct\$6 near10 satellite\$1 near10 link\$1 near10 download\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 13:51
-	0	(direct\$6 near10 satellite\$1 near10 link\$1 near10 download\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:03
-	0	62189823.fref.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:03
-	2	"62189823"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:05
-	551	(IP adj1 address\$4) and TCP and satellite\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:05
-	1	((IP adj1 address\$4) and TCP and satellite\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:08
-	0	((download\$4 or (down adj1 load\$4)) near10 satellite\$1 and TCP\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:13
-	1	"6014378".PN.	USPAT	2003/01/28 14:11
-	3	6161141.uref.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:09
-	2	((receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1) and @ad<19940608) and TCP\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:14
-	54	((receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:14
-	54	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1 and @ad<19940608	USPAT	2003/05/28 08:40

-	11	TCP near10 IP near10 address\$4 and @ad<19940604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:56
-	2	4841526.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/28 14:57
-	187	assign\$4 near10 IP adj1 address\$3 near10 (provider\$1 or ISP)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 09:46
-	0	(assign\$4 near10 IP adj1 address\$3 near10 (provider\$1 or ISP)) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:23
-	485	assign\$4 near10 address\$3 near10 (provider\$1 or ISP)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:14
-	9	(assign\$4 near10 address\$3 near10 (provider\$1 or ISP)) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:19
-	0	(assign\$4 near10 IP adj1 address\$3 near10 (provider\$1 or ISP)) and @rlad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:16
-	2	(assign\$4 near10 address\$3 near10 (provider\$1 or ISP)) and @rlad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:16
-	1871	isp and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:41
-	606	(isp and @ad<19940608) and assign\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:21
-	0	((isp and @ad<19940608) and assign\$4) and ISP near10 assign\$4 near10 address\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:21
-	11687402	@ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:24
-	31235	address\$4 near10 assign\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:25
-	12991	@ad<19940608 and (address\$4 near10 assign\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:25

-	0	ISP near10 @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:25
-	221	ISP near10 (address\$4 near10 assign\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:26
-	0	(ISP near10 (address\$4 near10 assign\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:26
-	0	ISP same (address\$4 near10 assign\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:26
-	0	address\$4 near10 IP near10 dialup and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:27
-	19	address\$4 near10 IP near10 given and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:40
-	144	TCP\$4 near10 request\$4 near10 browser\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:41
-	0	(TCP\$4 near10 request\$4 near10 browser\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:44
-	6084	request\$4 near10 browser\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 09:42
-	9	(request\$4 near10 browser\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:04
-	4449	(HTTP or FTP) near10 request\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:07
-	7	((HTTP or FTP) near10 request\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:12
-	4204	(HTTP) near10 request\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:07
-	0	((HTTP) near10 request\$4) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:07

-	0	request\$4 near10 (web adj1 page\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:13
-	41	(web adj1 page\$1) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/29 10:13
-	11690905	@ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/27 08:51
-	2	satellite\$1 near10 tcp\$4 near10 packet\$1 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/27 09:40
-	140	heterogeneous near10 resource\$1 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/27 09:41
-	0	generat\$4 near10 TCP\$3 near10 request\$3 near10 browser\$1 and @ad<19940601	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/27 15:32
-	2	5995725.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:48
-	0	901152.an	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:49
-	0	08901152.an	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:49
-	0	08901152.an.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:49
-	0	901152.an.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:55
-	10	transmit\$4 near10 packet\$1 near10 satellite\$1 near10 TCP\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:56
-	2	transmit\$4 near10 packet\$1 near10 satellite\$1 near10 TCP\$4 and @ad<19940601	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 07:56
-	0	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1 and @ad<19940608 and browser\$1	USPAT	2003/05/28 08:41
-	2	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1 and @ad<19940608 and tcp\$3	USPAT	2003/05/28 08:48

-	0	(receiv\$4 or reciev\$4) near10 packet\$1 near10 satellite\$1 and @ad<19940608 and dialup	USPAT	2003/05/28 08:48
-	4	transmit\$4 near10 request\$3 near10 receiv\$4 near10 packet\$1 near10 satellite\$1	USPAT	2003/05/28 09:18
-	0	request\$4 near10 packet\$2 near10 dial\$3 near10 browser\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 09:51
-	2	5534913.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/28 09:51
-	2	avellino.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/29 11:10
-	151	encapsulat\$4 near10 packet\$1 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 10:08
-	14	encapsulat\$4 near10 packet\$1 and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 10:41
-	71	encapsulat\$4 near10 packet\$1 and @ad<19940608 and 370/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 10:42
-	9	encapsulat\$4 near10 packet\$1 near10 ip\$2 and @ad<19940608 and 370/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 10:42
-	14	encapsulat\$4 near10 packet\$1 near10 ip\$2 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 11:39
-	0	encapsulat\$6 near10 IP near10 packet\$1 same stack\$1 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/08 11:54
-	1	encapsulat\$4 near10 packet\$4 near10 stack and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 08:55
-	14	encapsulat\$4 near10 packet\$4 and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 09:10
-	2	encapsulat\$4 near10 packet\$4 near10 IP and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 09:11
-	2	encapsulat\$4 near10 packet\$4 near10 ethernet and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 09:12

-	2	\$2capsulat\$4 near10 packet\$4 near10 ethernet and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 09:12
-	14	\$2capsulat\$4 near10 packet\$4 and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 09:13
-	14	\$3capsulat\$4 near10 packet\$4 and @ad<19940608 and 709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 09:17
-	0	\$3capsulat\$4 near10 packet\$4 near10 another and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 09:17
-	12	\$3capsulat\$4 near10 packet\$4 near10 (IP ethernet) and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 10:28
-	18	ARP adj1 request\$4 and @ad<19940608	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/29 10:28

[Subscribe](#) (Full Service) [Register](#) (Limited Service, Free) [Login](#)Search: ☒ The ACM Digital Library ☐ The Guide

encapsulat* <near/10> packet* <near/10> IP <near/10> add



THE ACM DIGITAL LIBRARY

Advanced Search

[?](#) Search
Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Search within Results: 2,177 found

encapsulat* <near/10> packet*
<near/10> IP <near/10> address*
<near/10> driver* <near/10> stack*

[Clear result set](#)**Desired Results:**must have **all** of the words or phrasesmust have **any** of the words or phrasesmust have **none** of the words or phrases**Name or Affiliation:**Authored by: ☒ all ☐ any ☐ noneEdited by: ☒ all ☐ any ☐ noneReviewed by: ☒ all ☐ any ☐ none**Only search in:***☐ Title ☐ Abstract ☐ Review ☒ All Information

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: ☒ Exact ☐ ExpandDOI: ☒ Exact ☐ Expand**Published:**By: ☒ all ☐ any ☐ noneIn: ☒ all ☐ any ☐ none

Since:

 Month Year

Before:

 April 1994As: Any type of publication**Conference Proceeding:**

Sponsored By:

Conference Location:

Conference Year:

 yyyy

Classification: (CCS) ☐ Primary Only

Classified as: ☒ all ☐ any ☐ none

Subject Descriptor: ☒ all ☐ any ☐ none

Keyword Assigned: ☒ all ☐ any ☐ none

Results must have accessible:

☐ Full Text ☐ Abstract ☐ Review



The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

[Subscribe](#) (Full Service) [Register](#) (Limited Service, Free) [Login](#)Search: ☒ The ACM Digital Library ☐ The Guide

Nothing Found

Your search for did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

museum +art

- Exclude pages by using a - if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore**
RELEASE 1.8Welcome
United States Patent and Trademark Office» [Sea](#)[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)**Welcome to IEEE Xplore**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet



Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

Your search matched **0** of **1056955** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**Results:****No documents matched your query.**